

★VOLZ=

V06

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★RU 2067348-C1

Combination 3/1 phase stator winding - has 36 coils connected to form 3 parallel 3-phase stars with 3-phase terminals for connection to corresp. poles

VOLZHSK ENG PEDAGOGICAL INST 92.04.13 92SU-5037014

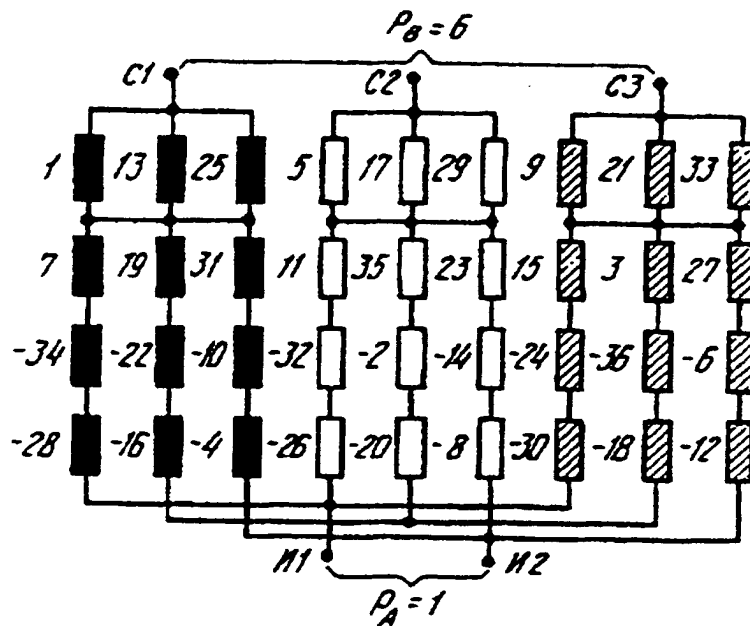
X11 (96.09.27) H02K 3/28

A combination stator winding is made 2-layered with 36 slots of 36 coils with numbers from 1 to 36 and connected in 3 parallel 3-phase stars with 3-phase terminals. In the stars, the phases are connected in series with columns. In phase C1 coils with numbers 1,7,34,28 are connected in the first star, coils 13,19,22,16 are in the second star and coils 25,31,10,4 are connected in the third star. For phase C2, coils 5,11,32,26 are in the first star, coils 17,35,2,20 are connected in the second star and coils 29,23,14,8 are connected in the third star.

For phase C3, coils 9,15,24,30 are connected in the first star, coils 21,3,36,18 are connected in the second star and coils 33,27,6,12 are connected in the third star, while the even gps. of coils are connected counter relative to the coils of the odd gps. A machine with a pole order of 1 operates as a synchronous motor and is started from a short circuited circuit of a stator winding, while the terminals of the winding are connected to rectified voltage after ending of the starting process.

USE/ADVANTAGE - Construction of windings of electric combination AC machines with 2 different pole orders. Wider functional capability by forming of symmetrical short circuited circuits. (4pp Dwg.No.2/3)

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